

PATENT RESPONSE UNDER
37 CFR 1.116 EXPEDITED PROCEDURE
EXAMINING
GROUP (2122)
01P13207US01

Ser. No. 09/975,681

Amended claims

1. (Previously Amended) A system for providing a user interface display image supporting user entry of an expression, comprising:

- a user interface menu generator for providing a displayable image including,
 - a first image window listing a plurality of data items individually selectable from a plurality of different types of predetermined data items available for incorporation in an expression used for calculating a result value,
 - an image prompt element for permitting user entry of said expression and for incorporating a data item in an entered expression from said listed data items to provide a resultant expression used for calculating a result value in response to user selection of said data item in said first image window, and
 - an icon for initiating storing of said resultant expression; and
- an expression processor for processing said resultant expression to provide a calculated result value in response to user command.

2. (Previously Amended) A system according to claim 1, wherein
said plurality of different types of predetermined data items comprise predetermined data items and associated predetermined allowable values for a corresponding predetermined data item and

said data item is incorporated in said expression together with an operator comprising at least one of, (a) a logical operator and (b) an algebraic operator to provide said resultant expression.

3. (Previously Amended) A system according to claim 1, wherein
said plurality of different types of predetermined data items comprise at least one of, (a) a patient identifier, (b) a medical condition identifier, (c) a patient address and (d) patient medical record information.

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4. (Previously Amended) A system according to claim 1, wherein
said predetermined data items are individually selectable by selection of
displayed elements in a hierarchical tree structure, said displayed elements
representing predetermined data items.

5. (Previously Amended) A system according to claim 1, wherein
said expression processor verifies an entered expression is valid and
generates an indication as said result identifying said entered expression is invalid and
said expression processor initiates generation of a displayed notification to a
user indicating said entered expression is invalid.

6. (Previously Amended) A system according to claim 1, wherein
said displayable image includes an icon for initiating verification an entered
expression is valid and
said verification includes a syntax check of said entered calculable
expression.

7. (Previously Amended) A system according to claim 1, wherein
said expression processor resolves said resultant expression to provide a
result comprising a financial reimbursement sum determined per health care policy
terms.

8. (Previously Amended) A system according to claim 1, wherein
said plurality of different types of predetermined data items include
miscellaneous values comprising predetermined specific words.

9. (Previously Amended) A system according to claim 1, wherein
said displayable image includes an image prompt element supporting user
entry of a name for identifying a resultant expression and
said user interface menu generator provides an image window permitting
user selection of a template calculable expression from a plurality of predetermined
template expressions.

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10. (Previously Amended) A system according to claim 1, wherein
said user interface menu generator provides an image window permitting
user selection of a template calculable expression from a plurality of predetermined
template calculable expressions and

said image prompt element incorporates a selected template calculable
expression in response to user selection of said selected template calculable
expression.

11. (Previously Amended) A system according to claim 1, wherein
said first image window lists a plurality of selectable data items in a
hierarchical tree type structure and

said plurality of selectable data items are associated with user accessible
data item descriptions.

12. (Previously Amended) A system according to claim 1, wherein
said icon for initiating storing of said resultant expression initiates
allocation of a version identifier to said resultant expression.

13. (Currently Amended) A system for providing a user interface display
image supporting user entry of an expression, comprising:

a user interface menu generator for providing a displayable image including,

a first image window listing a plurality of data items individually
selectable from a plurality of different types of predetermined data items available for
incorporation in an expression used for calculating a result value,

an image prompt element for permitting user entry of said
expression and for incorporating a data item in an entered expression from said listed
data items to provide a resultant expression used for calculating a result value in
response to user selection of said data item in said first image window, and

an icon for initiating storing of said resultant expression; and

an expression processor for processing said resultant expression to provide a
calculated result value in response to user command. ~~A system according to claim 12,~~
wherein

said icon for initiating storing of said resultant expression initiates allocation
of a version identifier to said resultant expression and

said expression processor uses said version identifier in processing a latest
version of said resultant expression to provide said calculated result value.

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14. (Previously Amended) A system for providing a user interface display image supporting user entry of an expression for use in deriving information associated with a patient, comprising:

a user interface menu generator for providing a displayable image including,

a first image window listing a plurality of selectable data items individually selectable from a plurality of different types of predetermined data items available for incorporation in an expression, said plurality of different types of predetermined data items comprise predetermined data items and associated predetermined allowable values for a corresponding predetermined data item,

an image prompt element permitting user entry of said expression and for incorporating a data item in said expression from said listed data items to provide a resultant expression in response to user selection of said data item in said first image window, and

an icon for initiating storing of said resultant expression; and

an expression processor for resolving said resultant expression to provide a result in response to user command.

15. (Previously Amended) A system according to claim 14, wherein

said expression comprises a calculable expression, and

said expression processor processes said resultant expression to provide a calculated result value in response to said user command.

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16. (Currently Amended) A system for providing a user interface display image supporting user entry of an expression for use in deriving information associated with a patient, comprising:

a user interface menu generator for providing a displayable image including, a first image window listing a plurality of selectable data items individually selectable from a plurality of different types of predetermined data items available for incorporation in an expression, said plurality of different types of predetermined data items comprise predetermined data items and associated predetermined allowable values for a corresponding predetermined data item,

an image prompt element permitting user entry of said expression and for incorporating a data item in said expression from said listed data items to provide a resultant expression in response to user selection of said data item in said first image window, and

an icon for initiating storing of said resultant expression; and an expression processor for resolving said resultant expression to provide a result in response to user command, A system according to claim 14, wherein

said plurality of different types of predetermined data items identify at least one of, (a) a patient, (b) a patient physical characteristic, (c) patient address information and (d) patient medical record information and

said user interface menu generator provides an image window indicating said associated predetermined allowable values for a corresponding predetermined data item comprise at least one of, (i) an acceptable parameter and (ii) an acceptable value, associated with a data item selected by a user via said first image window.

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17. (Previously Amended) A system for providing a user interface display image supporting user entry of an expression, comprising:

a user interface menu generator for providing a displayable image including,
a first image window listing a plurality of data items individually selectable from a plurality of different types of predetermined data items available for incorporation in an expression used for calculating a result value,

an image prompt element permitting user entry of said expression and for incorporating a data item together with an operator in said entered expression from said listed data items to provide a resultant expression used for calculating a result value in response to user selection of said data item in said first image window, and

an icon for initiating storing of said resultant expression; and
an expression processor for resolving said resultant expression to provide a calculated result value in response to user command.

18. (Previously Amended) A system according to claim 17, wherein
said expression processor processes said resultant expression to determine said resultant expression is valid and wherein

said system for providing a user interface display image comprises machine executable code stored on a tangible storage medium.

19. (Previously Amended) A method for providing a user interface display image supporting user entry of an expression, comprising the activities of:

initiating display of an image including,

a first image window listing a plurality of data items individually selectable from a plurality of different types of predetermined data items available for incorporation in an expression used for calculating a result value,

an image prompt element permitting user entry of said expression and for incorporating a data item in said entered expression from said listed data items to provide a resultant expression used for calculating a result value in response to user selection of said data item in said first image window, and

an icon for initiating verification of said resultant expression to determine said resultant expression is valid, and

an icon for initiating storing of said resultant expression; and
verifying said resultant expression is valid in response to user selection of said icon for initiating verification.